

Dodatek č. 2

ke smlouvě od dílo č. L/801/079
O/08/089

uzavřený dle ustanovení §536 zákona č. 513/1991 Sb. ve znění pozdějších předpisů
(Obchodní zákoník)

Smluvní strany:

1. Objednatel

Obchodní firma: Teplárny Brno, a.s. (dále jen Objednatel)
Sídlo: Okružní 25, 638 00 Brno – Lesná
zapsaná v Obchodním rejstříku vedeným Krajským soudem v Brně, oddíl B,
vložka 786
Zastoupená: Ing. Petrem Fajmonem, MBA, generálním ředitelem
IČ: 46347534
DIČ: CZ46347534
Bankovní spojení: Komerční banka, a.s. Brno – město
č. účtu CZK: 32606621/0100
UniCredit Bank Czech Republic, a.s.
č. účtu EUR: xxx

1. Zhotovitel

Obchodní firma: Siemens, s.r.o. (dále jen Zhotovitel)
Sídlo: Siemensova 1, 155 00 Praha
zapsaná v Obchodním rejstříku vedeným Městským soudem v Praze, oddíl
C, vložka 625
Zastoupená: Ing. Davidem Barvou, ředitelem divize PG IE
(na základě plné moci) Ing. Miroslavem Sovou, vedoucím ekonomického úseku PG IE
IČ: 00268577
DIČ: CZ00268577
Bankovní spojení: UniCredit Bank Czech Republic and Slovakia, a.s.,
Želetavská 152/1, 140 92 Praha 4
č. účtu CZK: xxx
č. účtu EUR: xxx

Smluvní strany se dohodly na uzavření Dodatku č. 2 (dále jen dodatek) ke smlouvě o dílo č. L/801/079 a O/08/089 na jehož základě dojde k prodloužení platnosti smlouvy pro období 1.10.2015 – 31.12.2019 a dále k úpravě rozsahu plnění smlouvy v souvislosti s provedeným upgradem řídicího systému Siemens SPPA-T2000 a Simadyn dle Smlouvy o dílo č. P00694 / 15002.

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článek 1.2 Ceny se nahrazuje následovně

Ceny platí pro výkony podle popisu výkonů a tam uvedených podmínek

Servisní balíček: Při smluvním trvání 1.10.2015 – 31.12.2015	Popis v kapitole	Cena v EUR ročně
- Vzdálené expertní středisko (Remote Expert Centre – REC) pro DCS včetně vzdálené správy systému (1 x ročně) a přístupu do zákaznického portálu	3.1	xxx
- Smlouva o systémové podpoře: Služba informací o aktualizacích (Update Information Service - UIS) Provedení – Řešení závad / “Záplat“	3.2	
Zajišťování dodávky dílů řídicího systému	Popis v kapitole	
- Zajištění dodávky dílů řídicího systému	3.3	
- Dodatečný poplatek za expresní dodávky		
- Dodatečný poplatek za nouzové dodávky		

Servisní balíček: Při smluvním trvání 1.1.2016 – 31.12.2016	Popis v kapitole	Cena v EUR ročně
- Vzdálené expertní středisko (Remote Expert Centre – REC) pro DCS včetně vzdálené správy systému (1 x ročně) a přístupu do zákaznického portálu	3.1	xxx
- Smlouva o systémové podpoře: Služba informací o aktualizacích (Update Information Service - UIS) Provedení – Řešení závad / “Záplat“	3.2	
Zajišťování dodávky dílů řídicího systému	Popis v kapitole	
- Zajištění dodávky dílů řídicího systému	3.3	
- Dodatečný poplatek za expresní dodávky		
- Dodatečný poplatek za nouzové dodávky		

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Servisní balíček: Při smluvním trvání 1.1.2017 – 31.12.2017	Popis v kapitole	Cena v EUR ročně
- Vzdálené expertní středisko (Remote Expert Centre – REC) pro DCS včetně vzdálené správy systému (1 x ročně) a přístupu do zákaznického portálu	3.1	xxx
- Smlouva o systémové podpoře: Služba informací o aktualizacích (Update Information Service - UIS) Provedení – Řešení závad / “Záplat“	3.2	
Zajišťování dodávky dílů řídicího systému	Popis v kapitole	
- Zajištění dodávky dílů řídicího systému	3.3	
- Dodatečný poplatek za expresní dodávky		
- Dodatečný poplatek za nouzové dodávky		

Servisní balíček: Při smluvním trvání 1.1.2018 – 31.12.2018	Popis v kapitole	Cena v EUR ročně
- Vzdálené expertní středisko (Remote Expert Centre – REC) pro DCS včetně vzdálené správy systému (1 x ročně) a přístupu do zákaznického portálu	3.1	xxx
- Smlouva o systémové podpoře: Služba informací o aktualizacích (Update Information Service - UIS) Provedení – Řešení závad / “Záplat“	3.2	
Zajišťování dodávky dílů řídicího systému	Popis v kapitole	
- Zajištění dodávky dílů řídicího systému	3.3	
- Dodatečný poplatek za expresní dodávky		
- Dodatečný poplatek za nouzové dodávky		

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Servisní balíček:	Popis v kapitole	Cena v EUR ročně
Při smluvním trvání 1.1.2019 – 31.12.2019		
- Vzdálené expertní středisko (Remote Expert Centre – REC) pro DCS včetně vzdálené správy systému (1 x ročně) a přístupu do zákaznického portálu	3.1	xxx
- Smlouva o systémové podpoře: Služba informací o aktualizacích (Update Information Service - UIS) Provedení – Řešení závad / “Záplat“	3.2	
Zajišťování dodávky dílů řídicího systému	Popis v kapitole	
- Zajištění dodávky dílů řídicího systému		
- Dodatečný poplatek za expresní dodávky	3.3	
- Dodatečný poplatek za nouzové dodávky		

článek **1.2.1 Cenová základna** se nahrazuje

Uvedené ceny jsou pevné ceny v EUR (bez DPH) pro poskytování výkonů a platí od 1.10.2015 do 31.12.2019, potom následuje vždy k 01.01. každého roku cenové navýšení o xxx% (pokud nebude jednou ze zúčastněných stran vyvoláno do konce října jednání o úpravě tohoto navýšení na příští rok).

Cestovní doba, cestovní náklady, diety, přenocování, přeprava osob či hodinové sazby na místě nejsou zahrnuty do cen uvedených v článku 1.2 a budou předmětem jednání mezi smluvními stranami.

článek **1.3 Doba platnosti smlouvy, pozastavení a výpověď smlouvy** se nahrazuje

Smlouva se uzavírá pro období 01.10.2015 – 31.12.2019. Po tomto datu se prodlužuje automaticky o jeden rok, pokud nebude vypovězena nejpozději do třech měsíců před koncem roku 2019.

Smlouva je závazná i pro právní nástupce obou smluvních stran.

Ostatní ustanovení tohoto článku, tj. ustanovení č. 1.3.1, 1.3.2(mimo písmeno f), 1.3.3, 1.3.4 zůstávají nezměněna.

článek č. 1.3.2 bod f) se nahrazuje

f) Jestliže Objednatel bude nucen ze závažných důvodů smlouvu vypovědět před 31.12.2019 (např. z důvodu odstavení elektrárny apod. – tzv. mimořádné odstoupení od smlouvy), přináležejí Zhotoviteli právo požadovat od Objednatele přiměřené odškodnění. Toto odškodnění se vypočítá z cenového

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rozdílu mezi pětiletým kontraktem a skutečnou dobou trvání smlouvy s přihlédnutím k příslušné roční ceně.

článek 2. **POPIS INSTALOVANÝCH VNITŘNÍCH PŘÍSTROJOVÝCH A ŘS** se nahrazuje následovně

Rozsah našich služeb vychází z následujícího soupisu prostředků.

2.2 KOMPONENTY VNITŘNÍCH PŘÍSTROJOVÝCH A ŘÍDICÍCH SYSTÉMŮ

Produkt	Počet	Moduly			
		Vzdálené expertní středisko	Dálková správa	Servisní balíček informací o aktualizacích	Zajištění dodávek dílů pro DCS
Section in the Description of Services for Maintenance Modules		3.1.1	3.1.2	3.2	3.3
TXP/ SPPA-T2000					
AS620 B	xxx	x	x	x	x
AS620 F	x	x	x	x	x
AS620 T (SIMADYN)	x	x	x	x	x
OM650 PU red.	x	x	x	x	x
OM650 SU red.		x	x	x	x
OM650 OT	x	x	x	x	x
Monitor	x	x	-	x	x
ES680 Engineering System incl. monitor	x	x	x	x	x
Terminal bus	x	x	x	x	x
Plant bus		x	x	x	x
Master clock	x	x	-	x	x
DS 670 Diagnostic System	x	x	x	x	x
Laser Printer	x	x	-	x	x
Alarm+Protocol-Printer	x	x	-	x	x

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Hardcopy Printer		X	-	X	X
Plant I/O	X				
SPPA-T3000					
Automation server (redundandní)		X	X	-	X
Application server (redundandní)		X	X	X	X
Thin client		X	X	X	X
Monitor		X	-	-	X
Application highway		X	X	-	X
Automation highway		X	X	-	X
Master clock (redundandní)		X	-	-	X
Firewall		X	X	-	X
Printer		X	-	-	X
Migration server (redundandní)		X	X	X	X
Migration tool server		X	X	X	X

Název článku **3.3 ZAJIŠTĚNÍ** dodávek dílů **ŘÍDICÍHO SYSTÉMU SPPA-T2000 A SIMADYN** se nahrazuje následovně

3.3 ZAJIŠTĚNÍ dodávek dílů **ŘÍDICÍHO SYSTÉMU SPPA-T2000, SIMADYN a T-3000**

článek **3.3.4 SEZNAM NÁHRADNÍCH DÍLŮ** se nahrazuje následovně

MLFB	Description	Status	List Price Euro
SIMADYN			
6DD1606-3AC0	SIMADYN D I/O SUBMODULE IT41 FOR PM4/PM5/PM6 16 BI, 16 BO, 4 AI, 4 AO, 4 ENCODER INPUTS	AK	
6DD1606-4AB0	SIMADYN D I/O SUBMODULE IT42 FOR PM4/PM5/PM6 16 BI, 16 BO, 4 AI (A/D), 4 AI (V/F), 4 AO	AK	
6DD1610-0AH0	SIMADYN D MEMORY SUBMODULE MS5 32BIT, 2MB FLASH-EEPROM 8KB EEPROM	AK	
6DD1611-0AG0	SIMADYN D MAILBOX MM4 , 32BIT L- AND C-BUS , EACH 2MB RAM SYSTEM ERROR SIGNAL OUTPUT	AK	

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6DD1640-0AC0	SIMADYN D, INPUT OUTPUT MODULE EM11 16BIT , 8BO, 4AI, 4AI INT., 2AO PULSE SENSING	AK	
6DD1642-0BC0	SIMADYN D ANALOG OUTPUT MODULE EA12 8AO	AK	
6DD1660-0BA0	SIMADYN D COMMUNICATION MODULE CS12 FRAME COUPLING VIA LWL 1 RECIEVER/TRANSMITTER	AK	
6DD1660-0BD0	SIMADYN D COMMUNICATION MODULE CS22 FRAME COUPLING VIA OPTIC FIBRE CABLE	AK	
6DD1661-0AB1	SIMADYN D COMMUNICATION MODULE CSH11 SLAVE INTERFACE FOR BUS SYSTEM SINEC H1	AK	
6DD1662-0AB0	SIMADYN D COMMUNICATION MODULE CS7 CARRIER MODULE FOR A MAXIMUM OF 3 COMMUNICATION SUBMODULES	AK	
6DD1688-0AD0	SIMADYN D COMMUNICATION SUBMODULE SS4 FOR CS7 , SIMADYN D PROTOCOL DUST 1,2,3,7	AK	
6ES5948-3UR23	SIMATIC S5, CPU 948R CENTRAL PROCESSING UNIT FOR S5-155H, 1600 KB RAM	TS	
6ES7417-4HL04-0AB0	SIMATIC S7-400H, CPU 417H CENTRAL UNIT FOR S7-400H 4 INTERFACES: 1 MPI/DP, 1 DP A. 2 FOR SYNC MODULES 20MB MEMORY (10MB CODE/10MB DATA)	TS	
6ES7417-4HT14-0AB0	SIMATIC S7-400H, CPU 417H CENTRAL UNIT FOR S7-400H 4 INTERFACES: 1 MPI/DP, 1 DP A. 2 FOR SYNC MODULES 30 MB MEMORY (15 MB CODE/15 MB DATA)	AE	
6ES7416-5HS06-0AB0	SIMATIC S7-400H, CPU 416-5H, CENTRAL UNIT FOR S7-400H AND S7-400F/FH, 5 INTERFACES: 1X MPI/DP, 1X DP, 1X PN AND 2 FOR SYNC MODULES 16 MB MEMORY (10 MB DATA/6 MB CODE)	LF	
6ES7960-1AA04-0XA0	SIMATIC S7-400H, SYNC SUBMODULE V4 FOR PATCH CABLES UP TO 10M	AE	
6ES7960-1AA06-0XA0	SIMATIC S7-400H, SYNC SUBMODULE V6 FOR PATCH CABLES UP TO 10M	LF	
6GK7443-1EX20-0XE0	COMMUNICATIONSPROCESSOR CP443-1 FOR CONNECTING SIMATIC S7-400 TO INDUST. ETHERN. VIA ISO, TCP/IP AND UDP, S7-COMM., FETCH/WRITE, SEND/RCV WITH AND W/O RFC1006, MULTICAST, PROFINET IO- CONTROLLER, DHCP, SNMP V2, WEB-, DIAGNOS., INITIALISATION VIA LAN, ACCESS PROTECTION VIA IP-ACCESS LIST, INTEGRATED REAL-TIME SWITCH ERTEC 400, 2XRJ45 CONNECT. FOR LAN WITH 10/100 MBIT/S	TS	

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6GK7443-1EX11-0XE0	COMMUNICATIONSPROCESSOR CP443-1 FOR CONNECTION OF SIMATIC S7-400 W. IND. ETHERN.,ISO/TCP/IP AND UDP S7 COMM.,FETCH/WRITE, DIAGNOST. EXPANSIONS, SEND/RECEIVE, WITH AND W/O RFC 1006, MULTICAST, NTP, INITIALIZING THROUGH LAN ACCESS PROTECTION USING IP-ACCESS LIST, 10/100 MBIT	TS	
6GK7442-1RX00-0XE0	SIMATIC NET CP 442-1 RNA 1X 10/100 MBIT/S, RJ 45 PORT: ISO; S7-COM; H-COM;OPEN COM. (SEND/RECEIVE) ;S7-ROUTING. 2X 100 MBIT/S, RJ 45 PORT: PRP;ISO;ISO-ON-TCP;TCP;UDP S7-COM.; H-COM.;OPEN COM. (SEND/RECEIVE); S7-ROUTING; CLOCK SYNCHR.;IP ACCESS CONTROL LIST;WEB-DIAGNOSTICS; SNMPV1	LF	
6GK7443-5DX04-0XE0	COMMUNICATIONSPROCESSOR CP443-5 EXTENDED FOR CONNECTION OF SIMATIC S7-400 TO PROFIBUS, DP, S5 COMPATIBLE PG/OP AND S7 COMMUNICATION	TS	
6GK7443-5DX05-0XE0	COMMUNICATION PROCESSOR CP443-5 EXTENDED FOR CONNECT. OF SIMATIC S7-400 TO PROFIBUS, DP, S5-COMPATIBLE PG/OP- AND S7-COMMUNICATION	LF	
SPPA-T2000, SPPA-T3000, FUM Baugruppen			
6DP1210-8CA	MODULE FUM 210 FOR SENSOR CONDITIONING FAST BINARY SIGNAL ACQUISITION, OR DRIVE CONTROL SENSOR, MONITORING AND SIGNAL. MODULE CONDITIONING: 14 CHANGEOVER OR 28 SINGLE CONTACTS WITH SENSOR SUPPLY AND MONITORING, 28 BINARY INPUTS WITHOUT SENSOR SUPPLY + 16 BINARY OUTPUTS DRIVE CONTROL: 5/8 MOTORS, 5/8 SOLENOID VALVES 4/5 ACTUATORS, 3/4 STEP CONTROLLERS, 2/3 REVERSING ACTUATORS, REDUNDANT USE POSSIBLE, SIGNALLING AND MONITORING FOR SIGNALLING CONTACTS OF THE CABINET, OUTPUT OF GROUP ALARMS	LF	
6DP1210-8BC	MODULE FUM 210 FOR SENSOR CONDITIONING FAST BINARY SIGNAL ACQUISITION, OR DRIVE CONTROL SENSOR, MONITORING AND SIGNAL. MODULE CONDITIONING: 14 CHANGEOVER OR 28 SINGLE CONTACTS WITH SENSOR SUPPLY AND MONITORING, 28 BINARY INPUTS WITHOUT SENSOR SUPPLY + 16 BINARY OUTPUTS DRIVE CONTROL: 5/8 MOTORS, 5/8 SOLENOID VALVES 4/5 ACTUATORS, 3/4 STEP CONTROLLERS, 2/3 REVERSING ACTUATORS, REDUNDANT USE POSSIBLE, SIGNALLING AND MONITORING FOR SIGNALLING CONTACTS	TS	

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	OF THE CABINET, OUTPUT OF GROUP ALARMS		
6DP1210-8BM	MODULE FUM 210 WITH EXTENDED DCM- AND DESKTILE FUNCTIONS DRIVE CONTROL: 5 MOTORS, 4/5 SOLENOID VALVES 4/5 ACTUATORS, 3/4 STEP CONTROLLERS, DRIVE CONTROL WITH DESKTILE, BUTTON CHECK: 2 MOTORS, 2 SOLENOID VALVES 2 ACTUATORS, 2 STEPCONTROLLERS, REDUNDANT USE POSSIBLE	TS	
6DP1211-7AA	MODULE FUM 211, BINARY SIGNAL COUPLING MODULE 16 BINARY INPUTS WITE ELECTRICAL ISOLATION VIA OCTOCOUPERS 16 BINARY OUTPUTS 250 MA (WITH LIMITATION) STEADY OR FLASHING (8, 2, 0,5 HZ) SUITABLE TO CONNECT CONSOLE CONTROL TILES. CAPABLE FOR 2 DESK TILES USE IN SPPA-T200	LF	
6DP1230-8CC	MODULE FUM 230 ANALOG TRANSMITTER SIGNAL CONDITIONING MODULE 0/4 TO 20 MA -16 INPUTS 0/4 TO 20 MA IN 2 OR 4 WIRE CIRCUIT -TRANSDUCER SUPPLY WITH 24 V DC -4 LIMIT VALUES PER CHANNEL - SIGNAL CORRECTION POSSIBLE - MONITORING OF THE TRANSMITTER SUPPLY, MEASUREMENT RANGE OVERSHOOT AND UNDERSHOOT AND WIRE BREAK -SUITABLE FOR REDUNDANT USE	LF	
6DP1230-8HH	SPPA-T3000/SPPA-T2000 FUM230 HART ANALOG INPUT MODULE FOR HART SIGNALS, 16 AI	TS	
6DP1230-8JJ	SPPA-T3000/SPPA-T2000 FUM230 HART ANALOG INPUT MODULE FOR HART SIGNALS, 16 AI	LF	
6DP1231-7AA	MODULE FUM 231, 4ANALOG INPUTS WITH ELECTRICAL ISOLATION CONFIGURABLE FOR VOLTAGE OR CURRENT, 4 ANALOG OUTPUTS CONFIGURABLE FOR VOLTAGE OR CURRENT	LF	
6DP1232-8BA	MODULE FUM 232 ANALOG TRANSMITTER SIGNAL CONDITIONING MODULE FOR PT100 AND THERMOCOUPLE; TRANSMITTER SIGNAL CONDITIONING -14 PT 100 RESISTANCE THERMOMETERS WITH FOUR WIRES -28 THERMOCOUPLES OPTIONALLY WITH FIXED OR VARIABLE REFERENCE JUNCTION TEMPERATURE - MONITORING OF THE TRANSMITTER	LF	

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	SUPPLY, MEASUREMENT RANGE OVERSHOOT AND UNDERSHOOT AND WIRE BREAK -SUITABLE FOR REDUNDANT USE BREAK -DIFFERENTIAL TEMPERATURE MEASUREMENT POSSIBLE -SUITABLE FOR REDUNDANT USE		
6DP1280-8AB	MODULE FUM 280 FOR 2 AUTONOMOUS CONTINUOUS P-, PI-, PD- OR PID CONTROLLERS OR 4 ANALOG CONTROLLER OUTPUTS W. CONTROL ALGORITHM IN THE AP -ANALOG OUTPUTS 0/4 TO 20 MA -FOUR OR TWO ANALOG INPUTS -SUPPLY AND ACQUISITION OF 2 ANALOG VALUES 0/4- 20MA -UP TO 4 LIMIT VALUES PER AI -BINARY SIGNAL CONDITIONING FOR TRAVEL LIMIT SWITCHES -SUITABLE FOR REDUNDANT USE OR COUPLING MODULE WITH -6 ANALOG INPUTS 0/4 - 20MA -6 ANALOG OUTPUTS 0/4 - 20MA -13 BINARY SIGNAL INPUTS -13 BINARY SIGNAL OUTPUTS, REDUNDANCY NOT POSSIBLE, WITHOUT ELECTRICAL ISOLATION	TS	
6DP1280-8BA	MODULE FUM 280 FOR 2 AUTONOMOUS CONTINUOUS P-, PI-, PD- OR PID CONTROLLERS OR 4 ANALOG CONTROLLER OUTPUTS W. CONTROL ALGORITHM IN THE AP -ANALOG OUTPUTS 0/4 TO 20 MA -FOUR OR TWO ANALOG INPUTS -SUPPLY AND ACQUISITION OF 2 ANALOG VALUES 0/4- 20MA -UP TO 4 LIMIT VALUES PER AI -BINARY SIGNAL CONDITIONING FOR TRAVEL LIMIT SWITCHES -SUITABLE FOR REDUNDANT USE OR COUPLING MODULE WITH -6 ANALOG INPUTS 0/4 - 20MA -6 ANALOG OUTPUTS 0/4 - 20MA -13 BINARY SIGNAL INPUTS -13 BINARY SIGNAL OUTPUTS, REDUNDANCY NOT POSSIBLE, WITHOUT ELECTRICAL ISOLATION	LF	
6DP1310-8AA	MODULE FUM 310, FAIL-SAFE BINARY TRANSMITTER SIGNAL CONDITIONING MODULE; -TRANSMITTER SUPPLY 24 V DC TRANSMITTER MONITORING FOR WIRE BREAK, SHORT CIRCUIT TO M, TO P AND INTERCORE SHORT CIRCUIT -8 CHANGEOVER CONTACTS OR -16 INDIVIDUAL CONTACTS -SIGNAL SIMULATION VIA FRONT PANEL SOCKETS - SUITABLE FOR REDUNDANT USE - SUITABLE FOR REDUNDANT USE -FAIL- SAFE	TS	

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6DP1330-8AA	MODULE FUM 330 FAIL-SAFE ANALOG TRANSMITTER SIGNAL CONDITIONING MODULE 0/4 TO 20 MA; -4 INPUTS 0/4 TO 20 MA, 2 OR 4 WIRES -TRANSDUCER SUPPLY WITH 24 V DC -4 LIMIT VALUES PER CHANNEL -SIGNAL CORRECTION POSSIBLE -MONITORING OF THE TRANSMITTER SUPPLY, MEASUREMENT RANGE OVERSHOOT AND UNDERSHOOT AND WIRE BREAK -SIGNAL SIMULATION VIA FRONT PANEL SOCKETS -SUITABLE FOR REDUNDANT USE -SIGNAL SIMULATION VIA FRONT PANEL SOCKETS -SUITABLE FOR REDUNDANT USE	TS	
6DP1360-8BA	MODULE FUM 360 FAIL-SAFE BINARY OUTPUT MODULE-24 CONTROLLER OUTPUTS 24 V DC/120 MA FOR COUPLING RELAYS-OUTPUT STATUS INDICATION VIA FRONT PANEL LEDS-SUITABLE FOR REDUNDANT USE	TS	
6DP1511-8AA	MODULE FUM 511 BINARY SIGNAL COUPLING MODULE -16 BINARY INPUTS WIDE ELECTRICAL ISOLATION VIA OCTOCOUPERS -16 BINARY OUTPUTS 120 MA STEADY OR FLASHING (8, 2, 0,5 HZ) - SUITABLE TO CONNECT CONSOLE CONTROL TILES -SUITABLE FOR NON-SAFETY-RELATED FUNCTIONS IN THE APF SYSTEM	TS	
6DP1531-8AA	MODULE FUM 531 ANALOG SIGNAL COUPLING MODULE; -4 ANALOG INPUTS WITH ELECTRICAL ISOLATION -4 ANALOG OUTPUTS -SUITABLE FOR NON-SAFETY-RELATED FUNCTIONS IN THE APF SYSTEM -4 ANALOG OUTPUTS 0 TO 10V, 2 TO 10V, 0 TO 20MA, 4 TO 20 MA, -SUITABLE FOR NON-SAFETY RELATED FUNCTIONS IN THE APF SYSTEM	TS	
6DP1640-8AA01	MODULE FUM 640 HIGH-SPEED BINARY INPUT MODULE WITH 64 CHANNELS, OPTICAL ISOLATED, INPUTS 24V DC INPUTS 24V DC	TS	
6DP1920-8AA	MODULE FUM 920 FUNCTION MODULE FOR UNDERVOLTAGE MONITORING DRIVES IN COMBINATION WITH FUM 210. THE MODULE PROVIDES LIMIT VALVES TO SWITCH OFF THE RELAIS IN CASE OF UNDERVOLTAGE OF THE CONTROL ALTERNATING CURRENT. NUMBER OF CHANNELS: 2	LF	
SPPA-T2000, SPPA-T3000, SIM Baugruppen			
6ES7153-1AA03-0XB0	SIMATIC DP, INTERFACE IM 153-1, FOR ET 200M, FOR MAX. 8 S7-300 MODULES	LF	

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6ES7153-2BA02-0XB0	SIMATIC DP, ET 200M INTERFACE IM 153-2 HIGH FEATURE FOR MAX. 12 S7-300 MODULES, WITH REDUNDANCY, TIME STAMPING FIT FOR ISOCHRON MODE NEW FEATURES: 12 MODULES / STATION SLAVE INITIATIVE FOR SWITCHES AND DRIVE ES EXTENDED DATA FOR HART SECON- DARY VARIABLES OPERATON WITH 64PT MODULES EXTENDES TIMESTAMPS WITH 32 SIGNALS / SLOT	LF	
6ES7153-2BA82-0XB0	SIMATIC DP, INTERFACE DP/PA-LINK A. ET200M IM153-2 HF FOR EXPANDED TEMPERATURE RANGE FOR MAX. 12 S7-300 MODULES, WITH REDUNDANCY, TIME STAMPING FIT FOR ISOCHRON MODE NEW FEATURES: UP TO 12 MODULES CAN BE USED SLAVE INITIATIVE FOR DRIVE ES AND SWITCH ES EXTENDED DATA FOR HART SECON- DARY VARIABLES OPERATON W. 64-CHANNEL MODULES 32 SIGNALS / SLOT	AE	
6ES7157-0AA82-0XA0	SIMATIC DP, IM157 INTERFACE FOR EXPANDED TEMPERATURE RANGE IM157 COUPLER MODULE DP/PA LINK THE IM157 AND ONE OR MORE DP/PA COUPLERS FORM THE DP/PA LINK DPV1.SLAVE	TS	
6ES7195-7HF80-0XA0	SIMATIC DP, BUS UNIT BM DP/PA FOR EXPANDED TEMPERATURE RANGE SUBMODULE FOR DP/PA COUPLER FOR INSERT/REMOVE FUNCTION WHILE OPERATING MODE RUN	LF	
6ES7654-1YB00-0AB0	*** SPARE PART*** SIMATIC S5, Y-SWITCH FOR S5-155H, W/O POWER SUPPY, 200MM S7-300 RAIL, 2 Y-IM, 2 BUS MODULES, 1 Y-COUPLER, MOUNTED, TESTED AND READY FOR USE	TS	
6ES7321-1BH02-0AA0	SIMATIC S7-300, DIGITAL INPUT SM 321, OPTICALLY ISOLATED, 16DI, 24 V DC, 1 X 20 PIN	LF	
6ES7321-1BL00-0AA0	SIMATIC S7-300, DIGITAL INPUT SM 321, OPTICALLY ISOLATED 32DI, 24 V DC, 1 X 40 PIN	LF	
6ES7321-1CH20-0AA0	SIMATIC S7-300, DIGITAL INPUT SM 321, OPTICALLY ISOLATED, 16 DI, DC 48-125V, 1 X 20 PIN	LF	
6ES7321-1FH00-0AA0	SIMATIC S7-300, DIGITAL INPUT SM 321, OPTICALLY ISOLATED 16 DI, 120/230V AC, 1 X 20 PIN	LF	
6ES7321-7BH01-0AB0	SIMATIC S7-300, DIGITAL INPUT SM 321, GALVANICALLY ISOLATED, 16 DI, DC 24V, 1 X 20 PIN, PROCESS INTERRUPT, DIAGNOSTICS, FIT FOR ISOCHRON MODE	LF	
6ES7321-7TH00-0AB0	SIMATIC S7/PCS7, SM 321 DIGITAL INPUT MODULE, 16 DI, 24V DC, 1 X 40 PIN, CAPABLE OF DIAGNOSTICS, FOR CONTACTS (CONNECTED/ UNCONNECTED), NAMUR SENSOR, 3/4-	LF	

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	WIRE-BERO, WITH FLUTTER MONITORING, PULSE LENGTHENING, WIRE BREAK DETECTION, IM153-2 INTERFACE MOD. REQUIRED		
6ES7322-1BH01-0AA0	SIMATIC S7-300, DIGITAL OUTPUT SM 322, OPTICALLY ISOLATED, 16 DO, 24V DC, 0.5A, 1 X 20 PIN SUM OF OUTPUT CURRENTS 4A/GROUP (8A/MODULE)	LF	
6ES7322-1BL00-0AA0	SIMATIC S7-300, DIGITAL OUTPUT SM 322, OPTICALLY ISOLATED, 32DO, 24V DC, 0.5A, 1 X 40 PIN, SUM OF OUTPUT CURRENTS 4A/GROUP (16A/MODULE)	LF	
6ES7322-1HF01-0AA0	SIMATIC S7-300, DIGITAL OUTPUT SM 322, OPTICALLY ISOLATED, 8 DO (RELAY), 1 X 20 PIN, 24V DC, 2A OR 230V AC, 2A	LF	
6ES7322-1HF10-0AA0	SIMATIC S7-300, DIGITAL OUTPUT SM 322, OPTICALLY ISOLATED, 8 DO (RELAY), 1 X 40 PIN, 24V DC, 5A OR 230V AC, 5A, CONNECTOR W.SPRING TERMINAL CAN BE USED FROM 6ES7392-1BM01-0AA0	LF	
6ES7322-1HH01-0AA0	SIMATIC S7-300, DIGITAL OUTPUT SM 322, OPTICALLY ISOLATED 16DO, RELAY CONTACTS, 1 X 20 PIN	LF	
6ES7322-8BF00-0AB0	SIMATIC S7-300, DIGITAL OUTPUT SM 322, OPTICALLY ISOLATED, 8 DO, 24V DC, 0.5 A (1 X 8 DO), SHORT-CIRCUIT PROTECTION, DIAGNOSTICS, 1 X 20 PIN	LF	
6ES7323-1BL00-0AA0	SIMATIC S7-300, DIGITAL MODULE SM 323, OPTICALLY ISOLATED, 16 DI AND 16 DO, 24V DC, 0.5A, AGGREGATE CURRENT 4A, 1X40 PIN	LF	
6ES7326-1BK02-0AB0	SIMATIC S7, DIGITAL INPUT SM 326, F-DI 24 X DC 24V, FAILSAFE DIGITAL INPUTS FOR SIMATIC S7 FAILSAFE SYSTEMS WITH DIAGNOST. INTERRUPT, UP TO CATEGORY 4 (EN954-1)/ SIL3 (IEC61508)/PLE (ISO13849), 1 X 40 PIN	LF	
6ES7326-1RF00-0AB0	*** SPARE PART*** SIMATIC S7, DIGITAL INPUT SM 326, 8 DI; DC 24V, NAMUR, FAILSAFE NAMUR INPUTS FOR SIMATIC S7F SYSTEMS, UP TO CATEGORY 4 (EN954-1)/ SIL3 (IEC61508)/PLE (ISO13849), 1 X 40 PIN	TS	
6ES7326-2BF01-0AB0	*** SPARE PART*** SIMATIC S7, DIGITAL OUTPUT SM 326, 10 DO; 24V DC, 2A, FAILSAFE DIGITAL OUTPUT FOR SIMATIC S7F SYSTEMS WITH DIAGNOST. INTERRUPT, 1 X 40 PIN	TS	
6ES7326-2BF10-0AB0	SIMATIC S7, DIGITAL OUTPUT SM326, F-DO10 X DC24V/2A PP, FAILSAFE DIGITAL OUTPUTS FOR SIMATIC S7F SYSTEMS WITH DIAGNOST. INTERRUPT, LVV, UP TO CATEGORY 4 (EN954-1)/ SIL3 (IEC61508)/PLE (ISO13849), 1 X 40 PIN	LF	
6ES7326-2BF41-0AB0	SIMATIC S7, DIGITAL OUTPUT SM 326, F-DO 8 X DC 24V/2A PM FAILSAFE DIGITAL	LF	

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	OUTPUTS P-M SWITCHING UP TO CATEGORY 4 (EN954-1)/ SIL3 (IEC61508)/PLE (ISO13849), 1 X 40 PIN		
6ES7331-7KB02-0AB0	SIMATIC S7-300, ANALOG INPUT SM 331, OPTICALLY ISOLATED, 2 AI, 9/12/14 BITS RESOLUTION, U/I/THERMOCOUPLE/RESISTANCE, INTERRUPT, DIAGNOSTICS, 1 X 20 PIN, REMOVE/INSERT W. BACKPLANE BUS	LF	
6ES7331-7KF02-0AB0	SIMATIC S7-300, ANALOG INPUT SM 331, OPTICALLY ISOLATED, 8AI, RESOLUTION 9/12/14 BITS, U/I/THERMOCOUPLE/RESISTANCE INTERRUPT, DIAGNOSTICS; 1X20PIN REMOVE/INSERT W. BACKPLANE BUS	LF	
6ES7331-7NF00-0AB0	SIMATIC S7-300, ANALOG INPUT SM 331, OPTICALLY ISOLATED, 8 AE; +/-5/10V, 1-5 V, +/-20MA, 0/4 TO 20MA, 16 BIT (55 MS), 1 COMMON POINT(50 V COM.), 1 X 40 PIN	LF	
6ES7331-7NF10-0AB0	SIMATIC S7-300, ANALOG INPUT SM 331, OPTICALLY ISOLATED, 8 AE; +/-5/10V, 1-5 V, +/-20MA, 0/4 TO 20MA, 16 BIT, 1 COMMON POINT(60 V COM.), 4 CHANNEL MODE: 10 MS, 8 CHANNEL MODE: 23-95 MS, 1 X 40 PIN	LF	
6ES7331-7PF01-0AB0	SIMATIC S7-300, ANALOG INPUT SM 331, OPT. ISOL., 2/3/4 WIRE, 8AI, RESISTANCE, PT100/200/1000 NI100/120/200/500/1000, CU10, PLUS CHARACTERISTICS ACCORDING TO GOST STANDARD 16 (INTERN 24) BIT, 50MS, 1 X 40 PIN	LF	
6ES7331-7PF11-0AB0	SIMATIC S7-300, ANALOG INPUT SM 331, OPTICALLY ISOLATED, 8 AI THERMOCOUPLE, TYPE B, E, J, K, L, N, R, S, T TXK/TXK(L) ACCORDING GOST 16 BIT, 50 MS, 1 X 40 PIN	LF	
6ES7331-7SF00-0AB0	SIMATIC S7, ANALOG INPUT SM 331, OPTICALLY ISOLATED, 8 AI THERMOCOUPLE/4 AI PT100, F. SIGNALS F. HAZARDOUS AREAS, CAPABLE OF DIAGNOST., PTB-TESTED 1 X 20 PIN	LF	
6ES7332-5HD01-0AB0	SIMATIC S7-300, ANALOG OUTPUT SM 332, OPTICALLY ISOLATED, 4 AO, U/I; DIAGNOSTICS; RESOLUTION 11/12 BITS, 20 PIN, REMOVE/INSERT W. ACTIVE, BACKPLANE BUS	LF	
6ES7336-1HE00-0AB0	*** SPARE PART*** SIMATIC S7, ANALOG INPUT SM336, 6 AI; 14 BIT; 40 PIN, FAILSAFE ANALOG INPUTS FOR SIMATIC S7F SYSTEMS WITH DIAGNOST. INTERRUPT	TS	
6ES7336-4GE00-0AB0	SIMATIC S7, ANALOG INPUT SM336 6 AI; 15 BIT; FAILSAFE ANALOG INPUTS FOR SIMATIC SAFETY, WITH HART SUPPORT, UP TO CATEGORY 4 (EN954-1)/ SIL3 (IEC61508)/PLE (ISO13849), 1 X 20 PIN,	LF	

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6ES7972-0AA02-0XA0	SIMATIC DP, RS485 REPEATER FOR THE CONNECTION OF PROFIBUS/MPI BUS SYSTEMS WITH MAX. 31 NODES; MAX. 12 MBIT/S, DEGREE OF PROTECTION IP20 IMPROVED USABILITY	LF	
6ES7972-0BA42-0XA0	SIMATIC DP,BUS CONNECTOR FOR PROFIBUS UP TO 12 MBIT/S WITH TILTED CABLE OUTLET, 15,8 X 54 X 39,5 MM (WXHxD), TERMINAT. RESIST. WITH ISOLAT. FUNCTION, WITHOUT PG SOCKET	LF	
6ES7972-0BA52-0XA0	SIMATIC DP,BUS CONNECTOR FOR PROFIBUS UP TO 12 MBIT/S 90 DEGREE ANGLE CABLE OUTLET, IPCD TECHNOLOGY FAST CONNECT, WITHOUT PG SOCKET 15,8 X 59 X 35,6 MM (WXHxD),	LF	
6ES7972-0BB52-0XA0	SIMATIC DP,BUS CONNECTOR FOR PROFIBUS UP TO 12 MBIT/S 90 DEGREE ANGLE CABLE OUTLET, IPCD TECHNOLOGY FAST CONNECT, WITH PG SOCKET 15,8 X 59 X 35,6 MM (WXHxD),	LF	
6ES7972-0DA00-0AA0	SIMATIC DP, RS485 RESISTOR FOR TERMINATING PROFIBUS-/MPI-NETWORKS	LF	
SPPA-T2000, SPPA-T3000, Netzwerk Komponenten			
6GK1105-2AA10	SIMATIC NET, OSM ITP62 OPTICAL SWITCH MODULE W. 2 FOC PORTS 100 MBIT/S, 6 ITP-PORTS 10/100 MBIT/S AND 8 DIGITAL INPUTS; REDUNDANT 24V DC SUPPLY, SIGNAL CONTACT, INTEGRATED REDUNDANCY MANAGER WITH NETWORK MANAGEMENT AMBIENT TEMPERATURE MAX. +55 DEGR. C.	TS	
6GK1105-2AA10	SIMATIC NET, OSM ITP62 OPTICAL SWITCH MODULE W. 2 FOC PORTS 100 MBIT/S, 6 ITP-PORTS 10/100 MBIT/S AND 8 DIGITAL INPUTS; REDUNDANT 24V DC SUPPLY, SIGNAL CONTACT, INTEGRATED REDUNDANCY MANAGER WITH NETWORK MANAGEMENT AMBIENT TEMPERATURE MAX. +55 DEGR. C.	TS	
6GK1105-2AA10	SIMATIC NET, OSM ITP62 OPTICAL SWITCH MODULE W. 2 FOC PORTS 100 MBIT/S, 6 ITP-PORTS 10/100 MBIT/S AND 8 DIGITAL INPUTS; REDUNDANT 24V DC SUPPLY, SIGNAL CONTACT, INTEGRATED REDUNDANCY MANAGER WITH NETWORK MANAGEMENT AMBIENT TEMPERATURE MAX. +55 DEGR. C.	TS	
6GK1105-2AB10	SIMATIC NET, OSM TP62 OPTICAL SWITCH MODULE W. 2 FOC CABLE PORTS 100MBIT/S, 6 RJ45 PORTS, 10/100MBIT/S AND 8 DIGITAL INPUTS, REDUN. 24V DC SUPPLY, SIGNALLING CONTACT, INTEGRATED REDUNDANCY MANAGER W. NETWORK MANAGEMENT	TS	

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6GK1105-2AC10	SIMATIC NET, OSM ITP62-LD OPTICAL SWITCH MODULE W. 2 FOC PORTS 100 MBIT/S LONG DISTANCE (FOC UP TO 26 KM),6 ITP PORTS 10/100 MBIT/S AND 8 DIGITAL INPUTS; REDUNDANT 24V DC SUPPLY, SIGNAL CONTACT, INTEGRATED REDUNDANCY MANAGER WITH NETWORK MANAGEMENT AMBIENT TEMPERATURE MAX. +55 DEGR. C.	TS	
6GK1105-2AD10	SIMATIC NET, OSM ITP53 OPTICAL SWITCH MOD. W. 3 FOC PORTS 100 MBIT/S, 5 ITP PORTS 10/100 MBIT/S AND 8 DIGITAL INPUTS; REDUNDANT 24V DC SUPPLY, SIGNAL CONTACT, INTEGRATED REDUNDANCY MANAGER WITH NETWORK MANAGEMENT AMBIENT TEMPERATURE MAX. +55 DEGR. C.	TS	
6GK1105-2AD10	SIMATIC NET, OSM ITP53 OPTICAL SWITCH MOD. W. 3 FOC PORTS 100 MBIT/S, 5 ITP PORTS 10/100 MBIT/S AND 8 DIGITAL INPUTS; REDUNDANT 24V DC SUPPLY, SIGNAL CONTACT, INTEGRATED REDUNDANCY MANAGER WITH NETWORK MANAGEMENT AMBIENT TEMPERATURE MAX. +55 DEGR. C.	TS	
6GK1105-2AD10	SIMATIC NET, OSM ITP53 OPTICAL SWITCH MOD. W. 3 FOC PORTS 100 MBIT/S, 5 ITP PORTS 10/100 MBIT/S AND 8 DIGITAL INPUTS; REDUNDANT 24V DC SUPPLY, SIGNAL CONTACT, INTEGRATED REDUNDANCY MANAGER WITH NETWORK MANAGEMENT AMBIENT TEMPERATURE MAX. +55 DEGR. C.	TS	
6GK1105-2AE00	SIMATIC NET, OSM TP22 OPTICAL SWITCH MODULE W. 2 FOC CABLE PORTS 100MBIT/S, 2 RJ45 PORTS, 10/100MBIT/S AND 4 DIGITAL INPUTS, RED. 24V DC SUPPLY, SIGNALLING CONTACT, INTEGRATED REDUNDANCY MANAGER W. NETWORK MANAGEMENT	TS	
6GK1105-2AE00	SIMATIC NET, OSM TP22 OPTICAL SWITCH MODULE W. 2 FOC CABLE PORTS 100MBIT/S, 2 RJ45 PORTS, 10/100MBIT/S AND 4 DIGITAL INPUTS, RED. 24V DC SUPPLY, SIGNALLING CONTACT, INTEGRATED REDUNDANCY MANAGER W. NETWORK MANAGEMENT	TS	
6GK1105-3AA10	SIMATIC NET, ESM ITP80 ELECTRICAL SWITCH MODULE WITH 8 ITP-PORTS 10/100MBIT/S AND 8 DIGITAL INPUTS; REDUNDANT 24V DC SUPPLY SIGNAL CONTACT, INTEGRATED REDUNDANCY MANAGER, WITH NETWORK MANAGEMENT AMBIENT TEMPERATURE MAX. +55 DEGR. C.	TS	

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6GK1105-3AB10	SIMATIC NET, ESM TP80 ELECTRICAL SWITCH MODULE W. 8 RJ45 PORTS 10/100MBIT/S AND 8 DIGITAL INPUTS, REDUNDANT 24V DC SUPPLY, SIGNAL CONTACT, INTEGRATED REDUNDANCY MANAGER W. NETWORK MANAGEMENT	TS	
6GK1105-3AC00	SIMATIC NET, ESM TP40 ELECTRICAL SWITCH MODULE W. 4 RJ45 PORTS 10/100MBIT/S AND 4 DIGITAL INPUTS, REDUNDANT 24V DC SUPPLY, SIGNAL CONTACT, INTEGRATED REDUNDANCY MANAGER W. NETWORK MANAGEMENT	TS	
6GK1105-4AA00	SIMATIC NET, OSM BC08 OPTICAL SWITCH MODULE W. 8 FOC PORTS 100/100MBIT/S, REDUNDANT 24V DC SUPPLY, SIGNALLING CONTACT, INTEGRATED REDUNDANCY MANAGER, 8 INPUTS WITH NETWORK MANAGEMENT	TS	
6GK1105-4AA00	SIMATIC NET, OSM BC08 OPTICAL SWITCH MODULE W. 8 FOC PORTS 100/100MBIT/S, REDUNDANT 24V DC SUPPLY, SIGNALLING CONTACT, INTEGRATED REDUNDANCY MANAGER, 8 INPUTS WITH NETWORK MANAGEMENT	TS	
6GK1143-0TA02	SINEC CP 1430 TF COMMUNICATIONS PROCESSOR FOR CONNECTION OF SIMATIC S5 TO INDUSTRIAL ETHERNET BASIC VERSION	TS	
6GK1143-0TB01	SINEC CP 1430 TF COMMUNICATIONS PROCESSOR FOR CONNECTION OF SIMATIC S5 TO INDUSTRIAL ETHERNET EXTENDED VERSION TIMING ACCURACY 1 MS	TS	
6GK1500-0AA10	12M BUS TERMINAL FOR PROFIBUS, TRANSMISSION RATE 9.6 KBIT/S TO 12 MBIT/S, CONNECTING CABLE 1.5 M	LF	
6GK1502-3CA10	SIMATIC NET, PB OLM/P12 V3.1 OPTICAL LINK MODULE W. 1 RS485 AND 2 PLASTIC FO INTERFACES (4 BFOC SOCKETS), WITH SIGNAL. CONTACT AND MEASURING OUTPUT, WITH 4 BFOC CONNECTORS	TS	
6GK1502-3CB10	SIMATIC NET, PROFIBUS OLM/G12 V3.1 OPTICAL LINK MODULE W. 1 RS485 AND 2 GLASS FO INTERFACES (4 BFOC SOCKETS) FOR STANDARD RANGES UP TO 2850 M, WITH SIGNAL. CONTACT A. MEAS. OUTPUT	TS	
6GK1502-3CB10	SIMATIC NET, PROFIBUS OLM/G12 V3.1 OPTICAL LINK MODULE W. 1 RS485 AND 2 GLASS FO INTERFACES (4 BFOC SOCKETS) FOR STANDARD RANGES UP TO 2850 M, WITH SIGNAL. CONTACT A. MEAS. OUTPUT	TS	
6GK1503-2CA00	PB OLM/P11 V4.0 OPTICAL LINK MODULE W. 1 RS485 AND 1 PLASTIC-FOC-INTERFACE (2 BFOC-SOCKETS), WITH SIGNAL. CONTACT AND MEASURING OUTPUT,	AE	
6GK1503-2CB00	PB OLM/G11 V4.0 OPTICAL LINK MODULE W. 1 RS485 AND 1 GLASS-FOC-INTERFACE	LF	

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	(2 BFOC-SOCKETS); WITH SIGNAL. CONTACT AND MEASURING OUTPUT,		
6GK1503-2CC00	PB OLM/G11-1300V4.0 OPTICAL LINK MODULE W. 1 RS485 AND 1 GLASS-FOC-INTERFACE (2 BFOC-SOCKETS),1300NM WAVE LENGTH FOR GREAT DISTANCES WITH SIGNAL. CONTACT AND MEASURING OUTPUT	LF	
6GK1503-3CA00	PB OLM/P12 V4.0 OPTICAL LINK MODULE W. 1 RS485 AND 2 PLASTIC-FOC-INTERFACE (4 BFOC-SOCKETS), WITH SIGNAL. CONTACT AND MEASURING OUTPUT,	AE	
6GK1503-3CB00	PROFIBUS OLM/G12 V4.0 OPTICAL LINK MODULE W. 1 RS485 AND 2 GLASS-FOC-INTERFACES (4 BFOC-SOCKETS) FOR STANDARD DISTANCES UP TO 2850 M, WITH WITH SIGNAL. CONTACT AND MEASURING OUTPUT	LF	
6GK1503-3CC00	PB OLM/G12-1300 V4.0 OPTICAL LINK MODULE W. 1 RS485 AND 2 GLASS-FOC-INTERFACES (4 BFOC-SOCKETS),1300NM WAVE LENGTH FOR GREAT DISTANCES WITH SIGNAL. CONTACT AND MEASURING OUTPUT	LF	
6GK1503-3CD00	PB OLM/G12-EEC V4.0 OPTICAL LINK MODULE W. 1 RS485 AND 2 GLASS-FOC-INTERFACES (4 BFOC-SOCKETS) FOR EXTENDED TEMPERATURE RANGE -20..+60 DGR.	LF	
6GK5101-1BB00-2AA3	SCALANCE X101-1, IE MEDIA CONVERTER UNMANAGED 1 X 10/100MBIT/S RJ45 PORT, 1 X 100MBIT/S MULTIMODE BFOC, LED DIAGNOSIS, FAULT SIGNAL. CONTACT WITH SET BUTTON, REDUNDANT POWER SUPPLY, PROFINET COMPLIANT SLEEVE, MANUAL AVAILABLE AS DOWNLOAD	LF	
6GK5101-1BB00-2AA3	SCALANCE X101-1, IE MEDIA CONVERTER UNMANAGED 1 X 10/100MBIT/S RJ45 PORT, 1 X 100MBIT/S MULTIMODE BFOC, LED DIAGNOSIS, FAULT SIGNAL. CONTACT WITH SET BUTTON, REDUNDANT POWER SUPPLY, PROFINET COMPLIANT SLEEVE, MANUAL AVAILABLE AS DOWNLOAD	LF	
6GK5101-1BC00-2AA3	SCALANCE X101-1LD IE MEDIA CONVERTER UNMANAGED 1 X 10/100MBIT/S RJ45 PORT, 1 X 100MBIT/S SINGLEMODE BFOC, LED DIAGNOSIS, FAULT SIGNAL. CONTACT WITH SET BUTTON, REDUNDANT POWER SUPPLY, PROFINET COMPLIANT SLEEVE, MANUAL AVAILABLE AS DOWNLOAD	LF	
6GK5101-1BX00-2AA3	SCALANCE X101-1AUI IE MEDIA CONVERTER UNMANAGED 1 X 10MBIT/S RJ45 PORT, 1 X 10MBIT/S AUI SEGMENT PORT, LED DIAGNOSIS, FAULT SIGNAL. CONTACT WITH SET BUTTON, REDUNDANT POWER SUPPLY, PROFINET COMPLIANT	TS	

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	SLEEVE MANUAL AVAILABLE AS DOWNLOAD		
6GK5101-1BY00-2AA3	SCALANCE X101-1FL IE MEDIA CONVERTER UNMANAGED 1 X 10MBIT/S RJ45 PORT, 1 X 10MBIT/S MULTIMODE BFOC, LED DIAGNOSIS, FAULT SIGNAL. CONTACT WITH SET BUTTON, REDUNDANT POWER SUPPLY, PROFINET COMPLIANT SLEEVE, MANUAL AVAILABLE AS DOWNLOAD	TS	
6GK5104-2BB00-2AA3	SCALANCE X104-2, UNMANAGED IE SWITCH, 4 X 10/100MBIT/S RJ45 PORTS, 2 X 100 MBIT/S MULTIMODE BFOC, LED DIAGNOSTICS, FAULT SIGNAL. CONTACT WITH SET BUTTON, REDUNDANT VOLTAGE SUPPLY MANUAL AVAILABLE AS DOWNLOAD	LF	
6GK5106-1BB00-2AA3	SCALANCE X106-1, UNMANAGED IE SWITCH, 6 X 10/100MBIT/S RJ45 PORTS, 1 X 100 MBIT/S MULTIMODE BFOC, LED DIAGNOSTICS, FAULT SIGNAL. CONTACT WITH SET BUTTON, REDUNDANT VOLTAGE SUPPLY MANUAL AVAILABLE AS DOWNLOAD	LF	
6GK5204-2BB10-2AA3	SCALANCE X204-2, MANAGED IE SWITCH, 4 X 10/100MBIT/S RJ45 PORTS, 2 X 100MBIT/S MULTIMODE BFOC, LED DIAGNOSTICS, ERROR SIGNAL CONTACT WITH SET BUTTON, REDUNDANT POWER SUPPLY, PROFINET-IO DEVICE, NETWORK MANAGEMENT, INTEGRATED REDUNDANCY MANAGER, INCL. ELECTRONIC MANUAL ON CD, C-PLUG OPTIONAL	LF	
6GK5204-2BC10-2AA3	SCALANCE X204-2LD, MANAGED IE SWITCH, 4 X 10/100MBIT/S RJ45 PORTS, 2 X 100MBIT/S SINGLEMODE BFOC, ERROR SIGNAL CONTACT WITH SET BUTTON, REDUNDANT POWER SUPPLY,PROFINET-IO DEVICE, NETWORK MANAGEMENT, INTEGRATED REDUNDANCY MANAGER AND ELECTRONIC MANUAL ON CD, C-PLUG OPTIONAL	LF	
6GK5206-1BB10-2AA3	SCALANCE X206-1, MANAGED IE SWITCH, 6 X 10/100MBIT/S RJ45 PORTS, 1 X 100MBIT/S MULTIMODE BFOC, LED DIAGNOSTICS, ERROR SIGNAL CONTACT WITH SET BUTTON, REDUNDANT POWER SUPPLY, PROFINET-IO DEVICE, NETWORK MANAGEMENT, INTEGRATED REDUNDANCY MANAGER, INCL. ELECTRONIC MANUAL ON CD, C-PLUG OPTIONAL	LF	

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6GK5206-1BC10-2AA3	SCALANCE X206-1LD, MANAGED IE SWITCH, 6 X 10/100MBIT/S RJ45 PORTS, 1 X 100MBIT/S SINGLEMODE BFOC, ERROR SIGNAL CONTACT WITH SET BUTTON, REDUNDANT POWER SUPPLY,PROFINET-IO DEVICE, NETWORK MANAGEMENT, INTEGRATED REDUNDANCY MANAGER, INCL.ELECTRONIC MANUAL ON CD, C-PLUG OPTIONAL	LF	
6GK5208-0BA10-2AA3	SCALANCE X208, MANAGED IE SWITCH, 8 X 10/100MBIT/S RJ45 PORTS, LED DIAGNOSTICS, ERROR SIGNAL CONTACT WITH SET BUTTON, REDUNDANT POWER SUPPLY, PROFINET-IO DEVICE, NETWORK MANAGEMENT, INTEGRATED REDUNDANCY MANAGER, INCL. ELECTRONIC MANUAL ON CD, C-PLUG OPTIONAL	LF	
6GK5212-2BB00-2AA3	SCALANCE X212-2, MANAGED IE SWITCH, 12 X 10/100MBIT/S RJ45 PORTS, 2 X 100MBIT/S MULTIMODE BFOC, LED-DIAGNOSTICS, FAULT SIGNAL. CONTACT WITH SET BUTTON, REDUNDANT POWER SUPPLY PROFINET-IO DEVICE, NETWORK-MANAGEMENT, INTEGRATED REDUNDANCY MANAGER, INCL. ELECTRONIC MANUAL ON CD, C-PLUG OPTIONAL	LF	
6GK5307-3BL00-2AA3	SCALANCE X307-3, MANAGED PLUS IE SWITCH, 3 X 1000MBIT/S MM SC AND 7 X 10/100MBIT/S RJ45 PORTS, LED DIAGNOSTICS, FAULT SIGNAL. CONTACT WITH SELECT/SET BUTTON, PROFINET-IO DEVICE, NETWORK MANAGEMENT, INTEGRATED REDUNDANCY MANAGER, OFFICE FEATURES (RSTP, VLAN, IGMP,..) C-PLUG IN SCOPE OF SUPPLY	TS	
6GK5307-3BL00-2AA3	SCALANCE X307-3, MANAGED PLUS IE SWITCH, 3 X 1000MBIT/S MM SC AND 7 X 10/100MBIT/S RJ45 PORTS, LED DIAGNOSTICS, FAULT SIGNAL. CONTACT WITH SELECT/SET BUTTON, PROFINET-IO DEVICE, NETWORK MANAGEMENT, INTEGRATED REDUNDANCY MANAGER, OFFICE FEATURES (RSTP, VLAN, IGMP,..) C-PLUG IN SCOPE OF SUPPLY	TS	
6GK5308-2FL00-2AA3	SCALANCE X308-2, MANAGED PLUS IE SWITCH, 2 X 1000MBIT/S MM SC 1 X 10/100/1000MBIT/S AND 7 X 10/100MBIT/S RJ45 PORTS, LED-DIAGNOSTICS, FAULT SIGNAL CONTACT WITH SELECT/SET-BUTTON, PROFINET-IO DEVICE, NETWORK-MANAGEMENT, INTEGRATED REDUNDANCY-MANAGER, OFFICE FEATURES (RSTP, VLAN, IGMP,..) C-PLUG IN SCOPE OF SUPPLY	TS	

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6GK5308-2FM00-2AA3	SCALANCE X308-2LD, MANAGED PLUS IE SWITCH, 2 X 1000MBIT/S SM SC 1 X 10/100/1000MBIT/S AND 7 X 10/100MBIT/S RJ45 PORTS, LED-DIAGNOSTICS, FAULT SIGNAL CONTACT WITH SELECT/SET-BUTTON, PROFINET-IO DEVICE, NETWORK-MANAGEMENT, INTEGRATED REDUNDANCY-MANAGER, OFFICE FEATURES (RSTP, VLAN, IGMP,..) C-PLUG IN SCOPE OF SUPPLY	TS	
6GK5308-2FN00-2AA3	SCALANCE X308-2LH, MANAGED PLUS IE SWITCH, 2 X 1000MBIT/S SM SC 1 X 10/100/1000MBIT/S AND 7 X 10/100MBIT/S RJ45 PORTS, LED DIAGNOSTICS, FAULT SIGNAL. CONTACT WITH SELECT/SET BUTTON, PROFINET-IO DEVICE, NETWORK MANAGEMENT, INTEGRATED REDUNDANCY MANAGER, OFFICE FEATURES (RSTP, VLAN, IGMP,..) C-PLUG IN SCOPE OF SUPPLY	TS	
6GK5308-2FP00-2AA3	SCALANCE X308-2LH+ MANAGED PLUS IE SWITCH, 2 X 1000MBIT/S SM SC 1 X 10/100/1000MBIT/S AND 7 X 10/100MBIT/S RJ45 PORTS, LED DIAGNOSTICS, FAULT SIGNAL. CONTACT WITH SELECT/SET BUTTON, PROFINET-IO DEVICE, NETWORK MANAGEMENT, INTEGRATED REDUNDANCY MANAGER, OFFICE FEATURES (RSTP, VLAN, IGMP,..) C-PLUG IN SCOPE OF SUPPLY	TS	
6GK5310-0FA00-2AA3	SCALANCE X310, MANAGED PLUS IE SWITCH, 3 X 10/100/1000MBIT/S AND 7 X 10/100MBIT/S RJ45 PORTS, LED-DIAGNOSTICS, FAULT SIGNAL CONTACT WITH SELECT/SET-BUTTON, PROFINET-IO DEVICE, NETWORK- MANAGEMENT, INTEGRATED REDUNDANCY-MANAGER, OFFICE FEATURES (RSTP, VLAN, IGMP,..) C-PLUG IN SCOPE OF SUPPLY	TS	
6GK5408-2FD00-2AA2	SCALANCE X408-2, MODULAR IE SWITCH, 4 X 10/100/1000MBIT/S AND 4 X 10/100MBIT/S RJ45 PORTS, 2 X GIGABIT/FAST ETHERNET MEDIA MODULE SLOTS, INTEGRATED REDUNDANCE MANAGER, OFFICE FEATURES (RSTP, VLAN,..) NETWORK MANAGEMENT, C-PLUG IN THE SCOPE OF SUPPLY	TS	
6GK5414-3FC00-2AA2	SCALANCE X414-3E, MODULAR IE SWITCH, 2 X 10/100/1000MBIT/S AND 12 X 10/100MBIT/S RJ45 PORTS, 1 X GIGABIT AND 2 X 100 MBIT MEDIA MODULE SLOTS, EXTENDER INTERFACE, INTEGRATED REDUNDANCY MANAGER, OFFICE FEATURES (RSTP, VLAN,..) NETWORK MANAGEMENT, C-PLUG INCLUDED IN THE SCOPE OF SUPPLY	TS	

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6GK5491-2AB00-8AA2	SCALANCE X-400 ACCESSORIES, MEDIA MODULE MM491-2, 2 X 100 MBIT/S MULTIMODE BFOC, HOT SWAPABLE, INSCRIPTION FIELD	TS	
6GK5491-2AC00-8AA2	SCALANCE X-400 ACCESSORIES, MEDIA MODULE MM491-2LD, 2 X 100MBIT/S SINGLE MODE BFOC, HOT SWAPABLE, INSCRIPTION FIELD	TS	
6GK5492-2AL00-8AA2	SCALANCE X-400 ACCESSORIES, MEDIA MODULE MM492-2, 2 X 1 GBIT/S MULTIMODE SC, HOT SWAPABLE, INSCRIPTION FIELD	TS	
6GK5492-2AM00-8AA2	SCALANCE X-400 ACCESSORIES, MEDIA MODULE MM492-2LD, 2 X 1 GBIT/S SINGLE MODE SC, HOT SWAPABLE, INSCRIPTION FIELD	TS	
6GK5495-8BA00-8AA2	SCALANCE X-400 ACCESSORIES, EXTENDER MODULE EM495-8, 8 X 10/100MBIT/S RJ45 PORTS, WITH PROTECTING COVERS CV490	TS	
6GK5496-4MA00-8AA2	SCALANCE X-400 ACCESSORIES, EXTENDER MODULE EM496-4, 4 X MEDIA MODULE SLOTS 100 MBIT/S, WITH PROT. COVERS CV490	TS	
SPPA-T2000, SPPA-T3000, Anschaltbaugruppen			
6DP1614-8BB	INTERFACE MODULE IM 614 IN THE FUM B SUBRACK FOR CONNECTING THE AP TO THE FUM B SUBRACK OR FUM B SUBRACK WITH FUM B SUBRACK SUBRACK	TS	
6DP1616-8AA	IM 616 INTERFACE MODULE CONNECTS FUM B SUBRACK WITH PROFIBUS DP MASTER (E.G. AS-S7)	TS	
6DP1631-8AA	INTERFACE MODULE IM 631 IN THE APF SUBRACK FOR CONNECTING THE APF SUBRACK AND FUM F SUBRACK FUM F SUBRACK	TS	
6DP1640-8AA01	MODULE FUM 640 HIGH-SPEED BINARY INPUT MODULE WITH 64 CHANNELS, OPTICAL ISOLATED, INPUTS 24V DC INPUTS 24V DC	TS	
6DP1641-8AA	INTERFACE MODULE IM 641 IN THE FUM F SUBRACK FOR CONNECTING THE APF SUBRACK AND FUM F SUBRACK	TS	
6DP1651-8AA	INTERFACE MODULE IM 651 IN THE AP FOR CONNECTING THE AP TO THE APF SUBRACK VIA COPPER CABLE (MAX. 225 M)	TS	
6DP1661-8AA	INTERFACE MODULE IM 661 IN THE APF SUBRACK FOR CONNECTING THE APF SUBRACK TO THE FUM F SUBRACK VIA COPPER CABLE (MAX. 225 M)	TS	
6DP1724-8BA	INTERFACE MODULE N-PCI (3,3V/5V) FOR 20 M LOCAL BUS INCL. DOCUMENTATION ON CD-ROM	AE	
SPPA-T2000, SPPA-T3000, Simatic S5 Baugruppen			

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6ES5304-3UB11	*** SPARE PART*** SIMATIC S5, IM304 EU INT.MOD. F. DISTRIBUTED CONFIGURATION UP TO 600M F.CONNECTING EU TO A CC AND INTERFACING CENTRAL CONTROLLERS WITH S5-150H,-155H,-115H,-115F	TS	
6ES5308-3UC21	*** SPARE PART*** SIMATIC S5, IM308-C INTERFACE MODULE FOR PROFIBUS-DP, MASTER INTERFACE FOR S5-115U/135U/155U; NOTE: ONLY MEMORY CARDS 5V PROGRAMMABLE IN IM308-C ***MEMORY CARD 6ES5374-1KH21 MUST BE ORDERED SEPARATELY***	TS	
6ES5314-3UR11	*** SPARE PART*** SIMATIC S5 IM 314R CC INTERFACE MODULE F. DISTRIBUTED CONFIGURATION UP TO 600M F.CONNECTING AN EU TO A CC WITH PLC S5-155H, -115H	TS	
6ES5316-8FA12	*** SPARE PART*** SIMATIC S5, IM 316F INTERFACE MODULE FOR CONNECT. UP TO 3 EXPANSION RACKS FOR S5-90U,-95U/F,S5-100U, ET 100U, ET 200U, ENHANCED EMC	TS	
6ES5318-8MB13	*** SPARE PART*** SIMATIC S5, IM318-B INTERFACE SLAVE INTERFACE, FOR ET200U TO PROFIBUS-DP	TS	
6ES5318-8MC12	*** SPARE PART*** SIMATIC S5, IM318-C INTERFACE MOD.,SLAVE INTERFACE,FOR ET200U TO PROFIBUS DP/FMS	TS	
6ES5324-3UR11	*** SPARE PART*** SIMATIC S5 IM 324R INTERFACE MODULE F. CONNECTING CENTRAL C. UNITS USED W. S5-115H/-155H PLC	TS	
6ES5095-8FB01	*** SPARE PART*** SIMATIC S5 SINGLE PLC FOR S5-95F REDUNDANT SYSTEM, W/O INSTRUCTIONS	TS	
6ES5095-8MB04	*** SPARE PART*** SIMATIC S5, S5-95U COMPACT UNIT WITH PROFIBUS INTERFACE	TS	
6ES5265-8MA01	*** SPARE PART*** SIMATIC S5, IP 265 HIGH SPEED HIGH SPEED SUBCONTROL FOR S5-90U, -95U, -100U, ET 200	TS	
6ES5375-1LA21	*** SPARE PART*** SIMATIC S5, 375 MEMORY SUBMOD. CMOS EPROM, 16 KBYTES	TS	
6ES5375-1LA41	*** SPARE PART*** SIMATIC S5, 375 MEMORY SUBMOD. CMOS EPROM, 32 KBYTES	TS	
6ES5431-8FA11	*** SPARE PART*** SIMATIC S5 431 DIGITAL INPUT MODULE FLOATING, FAILSAFE, FOR S5-95F, 8 INPUTS 24V DC	TS	
6ES5440-8MA22	*** SPARE PART*** SIMATIC S5 440 DIGITAL OUTPUT MODULE NON-FLOATING F. S5-90U/-95U/-100U, ET 100U, ET 200U,4 OUTPUTS 24V DC; 2A	TS	

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6ES5450-8FA12	*** SPARE PART*** SIMATIC S5, DIGITAL OUTPUT 450 FAIL -SAFE, GALV. ISOLATED FOR S5-95F, W. 2-CHANNEL ONE POLE CONNECTOR 4DO; DC 24V; 2A; SHORT TESTTIME	TS	
6ES5464-8MA21	*** SPARE PART*** SIMATIC S5 464 ANALOG INPUT MODULE FLOATING, FOR ET 100U 4 INPUTS +- 50MV WITH LINEARIZING	TS	
6ES5464-8MF21	*** SPARE PART*** SIMATIC S5 464 ANALOG INPUT MODULE FLOATING, FOR S5-90U/-95U/-100U ET 100U, ET 200U, 2 INPUTS F. PT 100 WITH LINEARIZING	TS	
6ES5470-8MA12	*** SPARE PART*** SIMATIC S5 470 ANALOG OUTPUT MODULE FLOATING F. S5-90U/-95U/-100U, ET 100U, ET 200U, 2 OUTPUTS +-10V	TS	
6ES5482-8MA13	*** SPARE PART*** SIMATIC S5 482 DIGITAL INPUT/OUTPUT MODULE NON-FLOATING FOR S5-90U/-95U/-100U, ET 100U, ET 200U, 16 INPUTS 24 VDC, 16 OUTPUTS 24 VDC; 0.5A	TS	
6ES5530-3LA12	*** SPARE PART*** SIMATIC S5 CP 530 COMMUNICATIONS PROCESSOR FOR SINEC L1 COMPACT VERSION	TS	
6ES5700-8FA11	*** SPARE PART*** SIMATIC S5, BUS MODULE F.S5-90U S5-95U/F,-100U, ET 100U,ET 200U ENHANCED EMC, WITH TERMINAL BLOCK FOR SCREW-TYPE CONNECTION	TS	
6ES5700-8MA11	*** SPARE PART*** SIMATIC S5 BUS UNIT F. S5-100U/ET 100U PLC W.TERM.BLOCK F. SCREW TERMINALS	TS	
6ES5700-8MA22	*** SPARE PART*** SIMATIC S5, BUS MODULE F.S5-90U S5-95U/F,-100U, ET100U,ET 200U ENHANCED EMC, WITH TERMINAL BLOCK FOR CRIMP CONNECTION	TS	
6ES5777-0BC01	*** SPARE PART*** SIMATIC S5 BT 777-0 BUS TERMINAL FOR SINEC L1, W. BREAK RECOG. F. DISTANCE UP TO 2.5 KM W. 2M CABLE	TS	
6ES5777-1BC01	*** SPARE PART*** SIMATIC S5 BT 777-1 BUS TERMINAL FOR SINEC L1, W. BREAK RECOG. F. DISTANCE UP TO 4 KM	TS	
6ES5948-3UR23	SIMATIC S5, CPU 948R CENTRAL PROCESSING UNIT FOR S5-155H, 1600 KB RAM	AE	
6ES5955-3NC42	*** SPARE PART*** SIMATIC S5 955 POWER SUPPLY MODULE F. CC S5-135U/155U, EU 183/185U 24V DC; 5V, 18A	TS	
6ES5955-7NC12	*** SPARE PART*** SIMATIC S5, POWER SUPPLY MODULE FOR CC 155H, 24V DC; 5V, 14A	TS	
SPPA-T2000, SPPA-T3000, CM Baugruppen			
6DP2658-4PC00-0AA0	Y CABLE FOR CM104-T2000 EXPANSION FROM ONE TO TWO SERIAL INTERFACES	LF	

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6DP2658-7PC00-2AA0	EXTENSION MODULE FOR 2 ADDITIONAL SERIAL PORTS FOR NON-REDUNDANT SYSTEMS, FOR CM104 S5 UND S7 FOR OM650	TS	
6DP2658-7PC55-2AA0	EXTENSION MODULE FOR 2 ADDITIONAL SERIAL PORTS FOR REDUNDANT SYSTEMS, FOR CM104 S5 UND S7 FOR OM650	TS	

SPPA-T3000, AS3000

**SPPA-T2000, SPPA-T3000, PC Komponenten
Celsius M450**

6DQ1530-0AD05-0AC2	DVD-ROM 8164, 52X/16X ATAPI, ANTHRACITE	LF	
6DQ1530-0AD04-0AG0	HARDDISK SAS 300 GB, 15K, 600 MB/S, 3,5 INCH	LF	
6DQ1530-0AD04-0AA2	HARD DISK SATA 80 GB 7.2K, 300 MB/S, 8 MB CACHE 7,200 RPM, 1 INCH / 3.5 INCH 8.9 MS	LF	
6DQ1530-0AD13-0AA0	DCF 77 PC RADIO CONTROLLED CLOCK BOARD FOR PCI BUS WITH MILLISECONDS OUTPUT AND SERIAL INTERFACE, DRIVER FOR WIN 95/98, NT, 2000, ME	LF	
6DQ1530-0AD16-0AA5	CABLE SET CONSISTS OF: 1 PIECE Y-CABLE DMS59 (59 PIN MALE CONNECTOR) <=> 2 X DVI-I (PER 24 PIN FEMALE CONNECTOR; 75 OHM) AND 2 PIECES ADAPTER DVI - VGA (15 PIN HD MINIDSUB) FOR GRAPHICS CARD NVIDIA NVS 285, NOT ROHS COMPLIANT	LF	
6DQ1530-0AD10-0AA5	POWER SUPPLY 410 W, ATX, 100-240 VAC / 8 A, 50-60 HZ, CELSIUS M440/M450/M460	LF	
6DQ1530-0AD02-0AB1	LAN ADAPTOR GIGABIT ETHER PRO/1000GT, PCI, 1,000 MB/S, RJ45, BULK VERSION WITHOUT ACCESSORIES (DRIVER, MANUAL)	LF	

Celsius M460

6DQ1530-0AD05-0AD1	DVD WRITER SUPERMULTI SATA BLACK, OCCUPIES 5,25"-SLOT,	LF	
6DQ1530-0AD04-0AG0	HARDDISK SAS 300 GB, 15K, 600 MB/S, 3,5 INCH	LF	
6DQ1530-0AD13-0AA0	DCF 77 PC RADIO CONTROLLED CLOCK BOARD FOR PCI BUS WITH MILLISECONDS OUTPUT AND SERIAL INTERFACE, DRIVER FOR WIN 95/98, NT, 2000, ME	LF	
6DQ1530-0AD16-0AA5	CABLE SET CONSISTS OF: 1 PIECE Y-CABLE DMS59 (59 PIN MALE CONNECTOR) <=> 2 X DVI-I (PER 24 PIN FEMALE CONNECTOR; 75 OHM) AND 2 PIECES ADAPTER DVI - VGA (15 PIN HD MINIDSUB) FOR GRAPHICS CARD NVIDIA NVS 285, NOT ROHS COMPLIANT	LF	
6DQ1530-0AD10-0AA5	POWER SUPPLY 410 W, ATX, 100-240 VAC / 8 A, 50-60 HZ, CELSIUS M440/M450/M460	LF	

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6DQ1530-0AD02-0AB5	LAN MODULE ETH CTRL 1X1GBIT PCIE PRO/1000PT CU, INTEL PRO 1000PT 1 PORT SERVER ADAPTER, BUS TYPE: PCI EXPRESS X1, DATATRANSFER RATE: 1 GB/S, CHANNEL: 1, INTERFACE: RJ45	LF	
6DQ1530-0AD03-0AC7	MEMORY DDR-RAM 2 GB DDR2-800 ECC BUS TYPE: DDR2, FRONT SIDE BUS: 800 MHZ, CAPACITY: 2 GB, PARITY BIT: ECC, SOCKET: 240 PIN	TS	
6DQ1530-0AD01-0AB0	MOTHERBOARD CELSIUS M460 D2608 - A11 GS2	LF	
Celsius M470			
6DQ1530-0AD05-0AD1	DVD WRITER SUPERMULTI SATA BLACK, OCCUPIES 5,25"-SLOT,	LF	
6DQ1530-0AD05-0AC7	DVD-WRITER 16X DVD+-R/RW S-ATA ANTHRACITE DIMENSIONS: 5 1/4 INCH	TS	
6DQ1530-0AD04-0AG0	HARDDISK SAS 300 GB, 15K, 600 MB/S, 3,5 INCH	LF	
6DQ1530-0AD13-0AA0	DCF 77 PC RADIO CONTROLLED CLOCK BOARD FOR PCI BUS WITH MILLISECONDS OUTPUT AND SERIAL INTERFACE, DRIVER FOR WIN 95/98, NT, 2000, ME	LF	
6DQ1530-0AD16-0AA5	CABLE SET CONSISTS OF: 1 PIECE Y-CABLE DMS59 (59 PIN MALE CONNECTOR) <=> 2 X DVI-I (PER 24 PIN FEMALE CONNECTOR; 75 OHM) AND 2 PIECES ADAPTER DVI - VGA (15 PIN HD MINIDSUB) FOR GRAPHICS CARD NVIDIA NVS 285, NOT ROHS COMPLIANT	LF	
6DQ1530-0AD10-0AB8	POWER SUPPLY 500 W FOR CELSIUS M470	LF	
6DQ1530-0AD10-0AA5	POWER SUPPLY 410 W, ATX, 100-240 VAC / 8 A, 50-60 HZ, CELSIUS M440/M450/M460	LF	
6DQ1530-0AD02-0AB5	LAN MODULE ETH CTRL 1X1GBIT PCIE PRO/1000PT CU, INTEL PRO 1000PT 1 PORT SERVER ADAPTER, BUS TYPE: PCI EXPRESS X1, DATATRANSFER RATE: 1 GB/S, CHANNEL: 1, INTERFACE: RJ45	LF	
6DQ1530-0AD02-0AB7	NETWORK ADAPTER FOR CELSIUS M470-2 INTEL PRO/1000 PTDUAL PORT 2 CHANNEL	LF	
6DQ1530-0AD03-0AC6	MEMORY DDR-RAM 1GB DDR2-800 ECC, BUS TYPE: DDR2, FRONT SIDE BUS: 800 MHZ, CAPACITY: 1 GB, PARITY BIT: ECC, SOCKET: 240 PIN	TS	
6DQ1530-0AD03-0AC7	MEMORY DDR-RAM 2 GB DDR2-800 ECC BUS TYPE: DDR2, FRONT SIDE BUS: 800 MHZ, CAPACITY: 2 GB, PARITY BIT: ECC, SOCKET: 240 PIN	TS	
6DQ1530-0AD01-0AB8	MOTHERBOARD D2778 FOR CELSIUS M470-2	LF	
Primergy RX100 S4			
6DQ1530-0AD05-0AB3	DVD-ROM TYPE T10N, 24X, 0.5 INCH, ATAPI, DVD CDRW SL COMBO, ANTHRACITE	LF	
6DQ1530-0AD04-0AD4	HARD DISC DRIVE SATA 160 GB, 3 GB/S, 7.2K, HOT PLUG 3.5"	TS	
6DQ1530-0AD04-0AF7	HARD DISK SATA 500GB, HOT PLUG, 3,5	LF	

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	ZOLL, 32MB		
6DQ1530-0AD04-0AG2	HARDDISK SATA, CAPACITY: 500 GB, SIZE: 3.5 INCH	LF	
6DQ1530-0AD10-0AC3	POWER SUPPLY 300 VA, FOR PRIMERGY RX100 S4	LF	
6DQ1530-0AD02-0AB3	LAN MODULE 1-CHANNEL, 1 GBIT, PCI32	LF	
6DQ1530-0AD02-0AB2	LAN MODULE 2-CHANNEL, 1 GBIT, PCI32E	LF	
6DQ1530-0AD02-0AB1	LAN ADAPTOR GIGABIT ETHER PRO/1000GT, PCI, 1,000 MB/S, RJ45, BULK VERSION WITHOUT ACCESSORIES (DRIVER, MANUAL)	LF	
6DQ1530-0AD01-0AB4	MOTHERBOARD D2532-B10 SATA FOR PRIMERGY RX100 S4 SATA	LF	
Primergy RX100 S5			
6DQ1530-0AD05-0AC6	DVD-WRITER DVD-RW SUPERMULTI SLIMLINE	LF	
6DQ1530-0AD10-0AB5	POWER SUPPLY 350 W, DPS-350UB A	LF	
6DQ1530-0AD02-0AB7	NETWORK ADAPTER FOR CELSIUS M470-2 INTEL PRO/1000 PT DUAL PORT 2 CHANNEL	LF	
6DQ1530-0AD00-0AC4	PENTIUM XEON 3G/6M/1333M	LF	
6DQ1530-0AD03-0AC7	MEMORY DDR-RAM 2 GB DDR2-800 ECC BUS TYPE: DDR2, FRONT SIDE BUS: 800 MHZ, CAPACITY: 2 GB, PARITY BIT: ECC, SOCKET: 240 PIN	LF	
Primergy RX100 S6			
6DQ1530-0AD04-0AF7	HARD DISK SATA 500GB, HOT PLUG, 3,5 ZOLL, 32MB	LF	
6DQ1530-0AD10-0AC2	POWER SUPPLY 350 W, FOR PRIMERGY RX100 S6	LF	
6DQ1530-0AD03-0AD8	MEMORY RAM 2GB, DIMM 240-PIN - DDR3 - 1333 MHZ PC3-10600 - ECC	LF	
Primergy RX200 S6			
6DQ1530-0AD04-0AG1	HARDDISK SATA, CAPACITY: 1TB, DIMENSION: 2.5 INCH	LF	
6DQ1530-0AD10-0AC4	POWER SUPPLY UNIT 450 W, FOR PRIMERGY RX200 S6	LF	
6DQ1530-0AD10-0AC5	POWER SUPPLY 770W FOR PRIMERGY RX200 S6	LF	
Primergy RX300 S4			
Primergy TX200 S3			
6DQ1530-0AD01-0AB4	MOTHERBOARD D2532-B10 SATA FOR PRIMERGY RX100 S4 SATA	LF	
Primergy TX200 S4			
6DQ1530-0AD04-0AB5	HARD DISK SATA BARRACUDA 7200.10; 160 GB, 8 MB CACHE 300 MB/S, 7,200 RPM, 1 INCH/ 3,5 INCH, 11 MS	LF	
6DQ1530-0AD10-0AB7	POWER SUPPLY 700 VA FOR PRIMERGY TX200 S4 TECHNICAL DATA: OUTPUT: 12 V / 58,0 A, -12V / 0,5 A, 5 VSB / 3,0 A, EFFICIENCY 82 % DIMENSIONS: 62.8 X 80.0 X 325.0 MM LXWXH	LF	
6DQ1530-0AD03-0AD5	MEMORY 2 GB(2X1), DDR2-667, PC2-5300 ECC, USABLE FOR PRIMERGY TX200 S4	LF	

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Primergy TX200 S5

6DQ1530-0AD04-0AF7	HARD DISK SATA 500GB, HOT PLUG, 3,5 ZOLL, 32MB	LF	
6DQ1530-0AD10-0AC0	POWER SUPPLY 800 W FOR PRIMERGY TX200 S5	LF	
6DQ1530-0AD00-0AC5	CPU XEON DP E5520 FOR PRIMERGY TX200 S5	TS	
6DQ1530-0AD03-0AD6	MEMORY DDR-RAM 2GB DDR3 FOR PRIMERGY TX200 S5	LF	€

Primergy TX300 S2

6DQ1530-0AD05-0AB7	DVD-WRITER TYPE 492, 8.5 GB 16X, ANTHRACITE, COMBO DRIVE	LF	
6DQ1530-0AD04-0AE5	HARD DISC DRIVE 73 GB, 15,000 RPM, 320 MB/S DATA TRANSFER RATE, 1" / 3.5", 80 PIN INTERFACE, HOT PLUG/-REPLACE INPUT MODULE	LF	
6DQ1530-0AD01-0AA3	MAINBOARD D1899-R12, ATX, MODEL RELEASE 3, REVISION R12, SOCKET 604	LF	

HP B2600

6DQ1530-0AD10-0AA1	AC POWER SUPPLY (320 WATT) WITH FAN, 88-269 VAC, 47-66 HERTZ INPUT FREQUENCY, REVISION 02, FOR HP B2600	TS	
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Dell Precision T3400

6DQ1530-0AD13-0AA7	DISPLAY PORT/ DVI-D ADAPTER CABLE FOR USE WITH GRAPHICS ADAPTER BY DELL PRECISION T3400, HP- Z400 AND CELSIUS M470 (OPC- SERVER)	LF	
6DQ1530-0AD04-0AE7	HARDDISK 80GB FOR DELL PRECISION T3400	LF	
6DQ1530-0AD10-0AB6	POWER SUPPLY 375 W, 100-120/200-240 VAC FOR DELL PRECISION T3400	LF	

HP Z400

6DQ1530-0AD13-0AA7	DISPLAY PORT/ DVI-D ADAPTER CABLE FOR USE WITH GRAPHICS ADAPTER BY DELL PRECISION T3400, HP- Z400 AND CELSIUS M470 (OPC- SERVER)	LF	
6DQ1530-0AD04-0AE7	HARDDISK 80GB FOR DELL PRECISION T3400	LF	
6DQ1530-0AD06-0AC0	GRAPHIC ADAPTER MATROX P690 PCIE X16, 2 CHANNEL, 128 MB WITH 2 X ADAPTER DVI-I TO HD15	LF	
6DQ1530-0AD06-0AB7	GRAPHIC ADAPTER NVS 450, 4 CHANNEL, FOR THIN CLIENT HP Z400	LF	

HP Z420

6DQ1530-0AD06-0AC1	GRAPHICS ADAPTER NVIDIA QUADRO NVS 310, WITHOUT CABLE	LF	
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Celvin NAS 802

6DU1142-0AX41-0BD0	APPLICATION SERVER DRSERVER MX, CONSISTING OF 2 SERVERS: DL360	LF	
6DU1138-0BA00-0KD1	WORKSTATION MS3000 MIGRATION SERVER HP Z420 TOWER MS3000-T2000	LF	

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	REDUNDANT		
6DU1150-0EA01-0FB0	TERMINAL SERVER TO CONNECT 5 CONCURRENT SPPA-T3000 WORKBENCH SESSIONS, WINDOWS SERVER 2008 SE, HP DL360P GEN8	LF	
6DU1131-0AX01-0FD0	APPLICATION SERVER, NON-FTSERVER, HP DL360P GEN8,	LF	
6DU1000-3AA00-0KD1	WORKSTATION FOR SPPA-T3000 HP Z420 TOWER THIN CLIENT WITH 2 DVI-PORTS SPPA-T3000 R7.0 SW	TS	
6DU1161-5BC00-0AS1	CS3000 IN BASIC CONFIGURATION > 3RD PARTY INTERFACES:	LF	
6DU1161-5BC01-0AS1	CS3000 IN BASIC CONFIGURATION > 3RD PARTY INTERFACES	LF	
6GK5324-0GG00-1AR2	SCALANCE XR324 MODULE	LF	
6GK5612-0BA10-2AA3	SCALANCE S 612 MODULE	LF	
6DU1163-0AB38-0RA0	DTS4138	LF	
6DQ1322-2CH00-0AA0	Router CISCO 800	LF	
6ES7405-0KA02-0AA0	SIMATIC S7-400, PS 405 POWER SUPPLY, WIDE RANGE 10A, 24/48/60V DC, 5V/10A DC	LF	

Ostatní ustanovení tohoto článku zůstávají beze změny.

Ostatní ustanovení této smlouvy zůstávají beze změny.

Tento Dodatek č. 2 je vypracován ve 3 vyhotoveních, z nichž každý má povahu originálu, přičemž objednatel obdrží jedno a zhotovitel dvě vyhotovení.

V Brně dne:

V Praze dne:

za Objednatele:

za Zhotovitele:

<p>..... Ing. Petr Fajmon, MBA generální ředitel</p>	<p>..... Ing. David Barva ředitel divize PG IE</p>
	<p>..... Ing. Miroslav Sova vedoucí ekonomického úseku PG IE</p>